

# **Science & Education Resources Development (SERD)**

- Higher Education Programs (HEP)
- Multicultural Alliances (MA)
- International Programs (IP)

# Food and Agricultural Sciences National Needs Graduate and Postgraduate Fellowship Grants Program

## Goals / Priorities:

- Support fellowship programs that encourage outstanding students to pursue and complete their degrees or obtain postdoctoral training in areas where there is national need for development of scientific and professional expertise
- Education and Training towards Graduate Degree at
  - M.S. Level
  - Doctoral Level
  - Postdoctoral – not funded
- International Research/Thesis Travel Allowance (IRTA)

# Graduate Fellowship Grants - Significant Changes For FY 2007

## Targeted Expertise Shortage Areas (TESAs):

- 1) agricultural genomics & bioinformatics
- 2) natural resources & environment
- 3) agricultural systems engineering
- 4) agricultural management & economics
- 5) food science
- 6) human nutrition
- 7) sciences for agricultural biosecurity
- 8) training in sustainable sciences

# Significant Changes For FY 2007 - Graduate Fellowship Grants

- Applications can be made in a single TESA for Doctoral, Master's training and International Research/Thesis Travel
- Requirements for measurable outcomes in evaluation criteria
- Added focused reporting requirements on performance-based measures identified in application

# Funding Statistics - Graduate Fellowship Grants

- Submitted (#)
  - 2006: 90
- Awarded (#): 29
  - 42 Master's Students
  - 58 Doctoral Students
  - 18 IRTA
- % Success: 32
- Average award size
  - \$ 128 – 252 K
- Duration (years)
  - 3 – 5 (Maximum)
- International Travel/Research
  - Allowance (IRTA) for National Needs Fellows

# **International Science and Education Competitive Grants Program**

## **Goals / Priorities:**

Purpose is to support Internationalization  
of food, agriculture, and related programs  
at U.S. universities and colleges.

# International Science and Education Competitive Grants Program - Significant Changes for FY 2007

- ISE program started in FY 2004
- No changes in FY 2006
- Next RFA Cycle is FY 2008

# ISE Funding Statistics

- **Submitted (#):** 116
- **Awarded (#):** 19
- **% Success:** 16.4%
- **Average award size**  
\$99,742
- **Duration (years):** Up to a maximum of 4 years



# Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants Program

## Goals / Priorities:

Promote / strengthen academic instruction in agriscience / agribusiness at secondary / 2-year postsecondary institutions:

- Enhancing curricula
- Increasing faculty teaching competencies
- Preparing students for scientific and professional careers
- Incorporating agriscience or agribusiness subject matter into other, non-agricultural course work
- Facilitating joint initiatives among other educational institutions
- Responding identified State, regional, or national needs.

# Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants - Significant Changes for FY 2008

Inclusion of 2 new Program Goals: projects must demonstrate how they plan to:

1. Increase the number of students who will pursue a 2- or 4-year postsecondary degree in the food and agricultural sciences, and
2. Help students achieve career goals and meet workplace needs

# Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants Program Funding Statistics

## Submitted (#)

FY 2006 = 53

FY 2007 = 47

## Awarded (#)

FY 2006 = 23

FY 2007 = 22

## % Success

FY 2006 = 45%

FY 2007 = 48%

**Average award size = \$ 37,600**

**Program Duration (years) = 9**

# Higher Education Challenge Grants Program

## Goals / Priorities:

Improve academic instruction in food and agricultural sciences by:

- Enhancing curricula
- Increasing faculty teaching competencies
- Modernizing instructional delivery systems
- Facilitating joint initiatives among other educational institutions
- Responding to state, regional, or national needs

# **Higher Education Challenge Grants Program**

## **- Significant Changes For FY 2008**

Inclusion of 2 new Program Goals: projects must demonstrate how they plan to increase:

1. Number of graduates with a baccalaureate or higher degree in food and agricultural sciences
2. Quality of postsecondary instruction

Must address new 'Priority Need Areas' (see RFA) derived from CSREES Strategic Goals & Objectives

# Higher Education Challenge Grants Program Funding Statistics

## Submitted (#)

FY 2006 = 110

FY 2007 = 80

## Awarded (#)

FY 2006 = 18

FY 2007 = 19

## % success

FY 2006 = 16%

FY 2007 = 24%

## Average award size:

\$ 227,000

## Program Duration (years):

18

# Hispanic Serving Institutions Education Grants Program

## Goals / Priorities:

Strengthen ability of Hispanic-Serving Institutions to:

- carry out higher education programs in food and agricultural sciences
- produce graduates capable of enhancing the Nation's work force

# Hispanic Serving Institutions Education Grants Program

Projects should focus on one or more of Educational Need Areas:

- Curricula design, materials development, and library resources
- Faculty preparation & enhancement for teaching
- Scientific instrumentation for teaching
- Instruction delivery systems
- Student experiential learning
- Student recruitment and retention (including student financial assistance)



# Hispanic Serving Institutions Education Grants Program – Significant Changes For FY 2007

Changes to be disclosed after  
RFA is Published

# Hispanic Serving Institutions Education Grants Program Funding Statistics

- **Submitted (#)**

FY 2005 = 91

FY 2006 = 61

- **Awarded (#)**

FY 2005 = 20

FY 2006 = 23

- **% Success**

FY 2005 = 22

FY 2006 = 37

- **Average award size**

FY 2005 = \$266,600

FY 2006 = \$246,000

- **Project Duration:** 2-3 years

# Higher Education Multicultural Scholars Program (MSP)

## Goals / Priorities:

- Increase multicultural diversity of food and agricultural scientific and professional workforce
- Advance educational achievement of all Americans by providing competitive grants to colleges and universities

Supports recruiting, retaining, mentoring, training of high quality multicultural scholars in undergraduate education, resulting in either a baccalaureate degree within the food, agricultural sciences and natural resources or DVM degree

# MSP - Significant Changes For FY 2007

## Implemented requirements for MSP:

- 60-month duration for the programs
- Simultaneous application for undergrad training and student experiential learning opportunities
- Targeted changes in alignment of undergraduate training to meet CSREES strategic goals and geared to increase pool of undergraduates available to pipeline into graduate training in natural resources, food and agricultural sciences
- Measurable outcomes in evaluation criteria
- Focused reporting requirements, using CRIS

# Higher Education MSP Funding Statistics FY 2007

- **Submitted (#):**  
14
- **Awarded (#):**  
8
- **% Success:**  
57
- **Average award size (K)**  
\$ 150 (\$72 minimum/no maximum)
- **Duration (years)**  
From three (3) to a maximum of five (5) years

# **Tribal Colleges (1994 Institutions) Extension Program**

## **Goals / Priorities:**

- Increase Extension program capacity at 1994 Institutions
- Address special needs, take advantage of important opportunities and/or demonstrate long-term sustained benefits of Extension projects at 1994 Institutions (“Extension Special Emphasis Projects”)

**Funded projects support one or more of CSREES Strategic Goals**

# FY 2007 Funding Statistics

## Tribal Colleges Extension Program

	Increase Extension Program Capacity	Extension Special Emphasis Projects
Proposals Submitted	28	14
Awarded	28	9
% Success	100%	64%
Average Award Size	\$85,000 (per year)	\$88,000 (total)
Duration	4 year Continuation Grants	up to 3 years

# **Tribal Colleges Extension Program Significant Changes - FY 2007**

**“Increase Extension Program Capacity”**

projects are now on a 4-year  
continuation grant cycle



# Federally-Recognized Tribes Extension Program

## Goals / Priorities:

- Establish / conduct extension programs on Indian Reservations and tribal jurisdictions to address unique needs and problems of American Indians

## Targeted Areas of Support:

- Assisting American Indians in development of profitable farming and ranching techniques
- 4-H and youth development experiences for Tribal youth
- Providing education on other tribally-identified priorities, such as natural resources management, nutrition, and family resource management

# Federally-Recognized Tribes Extension Program

## Eligible Applicants:

1862 and 1890 land-grant colleges and universities

## Awards:

- Made through 4-yr continuation grants for projects that are initially selected on competitive basis and periodically reviewed.
- In FY 2007 ranged from \$64,000 to \$126,000

# FY 2007 Funding Statistics

## Federally-Recognized Tribes Extension Program (*new projects only*)

- Proposals Submitted  
9
- Awarded:  
4
- % Success:  
44%
- Average Award Size:  
\$105,000
- Duration:  
4-year continuation grants

**Note:** The existing 27 FRTEP projects plus the 4 new projects funded in FY 2007 bring the total number of projects to 31.

# 1890 Institution Teaching and Research Capacity Building Grants Program

## Goals / Priorities:

- Building & strengthening institutional capacity and capabilities in new, emerging academic and scientific areas in food, agricultural and related sciences
- Strengthening partnerships & collaborations among 1890s, other institutions of higher education, USDA agencies and private sector
- Ensuring a well-trained and culturally diverse workforce to meet the needs of a globally interconnected, technologically advanced food and agricultural sciences domain

# 1890 Capacity Building Grants Program - Significant Changes For FY 2007

- Targeted Projects – up to 20% (up from 10%) of funds allocated to these types applications
- Joint or Multi-college / university collaborative projects – up to 40% (up from 30%) of funds allocated to these types of applications
- General Pool Projects - Approximately 40% (down from 60%) allocated to these types of applications
- Joint projects – applicant institution retains at least 30% (down from 40%) but no more than 70% (up from 60%) of awarded funds

# 1890 Capacity Building Grants Program Funding Statistics

- **Submitted (#)**
  - 2006: 195
    - Teaching – 58
    - Research - 137
- **Average award size (range)**
  - \$ 158 – 500 K
- **Awarded (#): 44**
  - 28 Teaching
  - 16 Research
- **Duration (years)**
  - 2 – 3 (w/no-cost extensions – 5 Years Maximum)
- **% Success:**
  - Teaching - ~48
  - Research - ~12

# Tribal Colleges Research Grants Program (TCRGP)

## Purpose and Priorities

- The TCRGP is a competitive grants program supporting agricultural research projects that
- address high priority concerns of tribal, national or multi-state significance.

# **Tribal Colleges Research Grants**

**Total Funding Appropriated for FY 2007**

**\$1,544,000**

**Total Number of Institutions Involved**

**27**

**Maximum Award Size:**

**\$150,000.00**



# Tribal Colleges Research Grants

- **Eligible institutions** may propose projects in any discipline(s) of the food and agricultural sciences.
- **Applicants** are encouraged to submit joint project applications that will result in building linkages with other institutions that have significant, ongoing commitments to research on the food and agricultural sciences generally, and to the specific subject area(s) targeted by the proposed project.